



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY  
AFFAIRS (PERA)  
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208

Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/building](http://www.miamidade.gov/building)

## NOTICE OF ACCEPTANCE (NOA)

Nucor Building Systems  
200 Whetstone Road  
Swansea, SC 29160

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION:** "Reverse Classic" 0.024" (min.) Structural Steel Wall Panel

**APPROVAL DOCUMENT:** Drawing No. 1445, titled "Reverse Classic, 24 Gage Structural Steel Wall System", sheets 1 and 2 of 2, prepared by Bala Sockalingam, P.E., dated November 01, 2006, last revision #4 dated November 29, 2011, signed and sealed by Bala Sockalingam, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the revision date by Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING:** Large and Small Missile Impact Resistant

**LABELING:** Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 06-1116.05 and consists of this page 1, evidence submitted pages E-1 & E-2 as well as approval document mentioned above.

The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.



*Helmy A. Makar*  
01/05/2012

NOA No. 11-1017.03  
Expiration Date: 06/21/2012  
Approval Date: 01/05/2012  
Page 1

**Nucor Building Systems**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #06-1116.05**

**A. DRAWINGS**

1. *Drawing No. 1445, titled "Reverse Classic, 24 Gage Structural Steel Wall System", sheets 1 and 2 of 2, prepared by Bala Sockalingam, P.E., dated November 01, 2006, last revision #2 dated May 16, 2007, signed and sealed by Bala Sockalingam, P.E.*

**B. TEST**

1. *Test report on Large Missile Impact test, Cyclic Wind Pressure test and Uniform Static Air Pressure test on "Reverse Classic Panels – 24 Ga. thickness (.024")", prepared by Architectural Testing, report No. 65370.01-801-18, dated 07/26/06, signed and sealed by Joseph A. Reed, P.E.*
2. *Accelerated Weathering test.*
3. *Salt spray test.*

**C. CALCULATIONS**

1. *Reverse Classic Wall Panel Calculation, dated 11/07/06, pages 1 through 4, prepared by Bala Sockalingam, P.E., signed and sealed by Bala Sockalingam, P.E.*

**D. QUALITY ASSURANCE**

1. *By Miami-Dade County Building Code Compliance Office.*

**E. MATERIAL CERTIFICATION**

1. *Tensile test report 01-65370, prepared by Architectural Testing, dated 07/25/06, signed and sealed by Joseph A. Reed, P.E.*

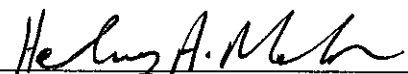
**2. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. *Drawing No. 1445, titled "Reverse Classic, 24 Gage Structural Steel Wall System", sheets 1 and 2 of 2, prepared by Bala Sockalingam, P.E., dated November 01, 2006, last revision #4 dated November 29, 2011, signed and sealed by Bala Sockalingam, P.E.*

**B. TEST**

1. *None.*



Helmy A. Makar, P. E., M.S.  
PERA, Product Control Unit Supervisor  
NOA No. 11-1017.03  
Expiration Date: 06/21/2012  
Approval Date: 01/05/2012

**Nucor Building Systems**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**C. CALCULATIONS**

1. *None.*

**D. QUALITY ASSURANCE**

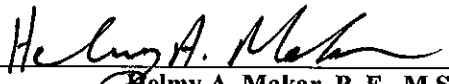
1. *By Miami-Dade County Department of Permitting, Environment, and Regulatory Affairs (PERA).*

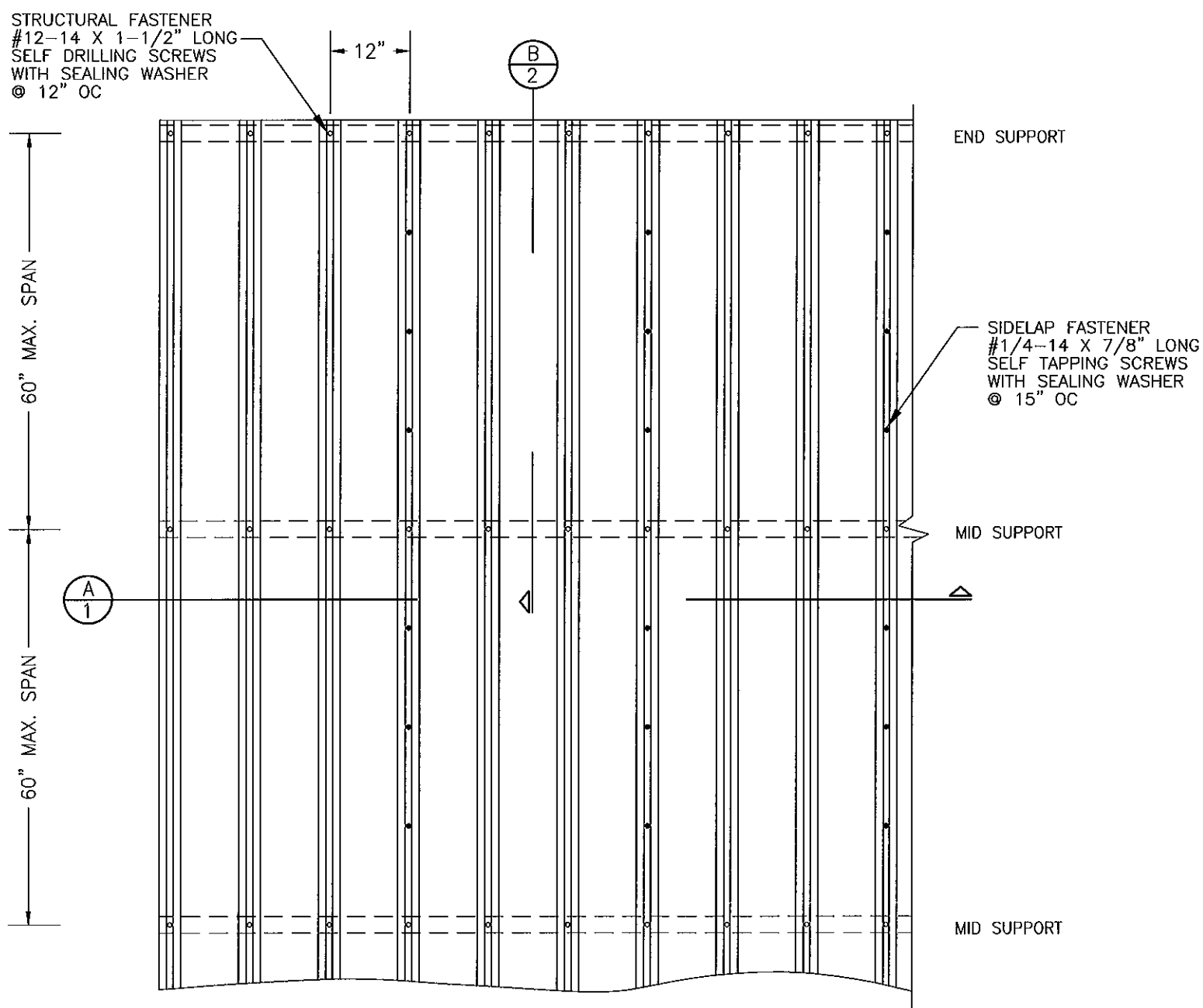
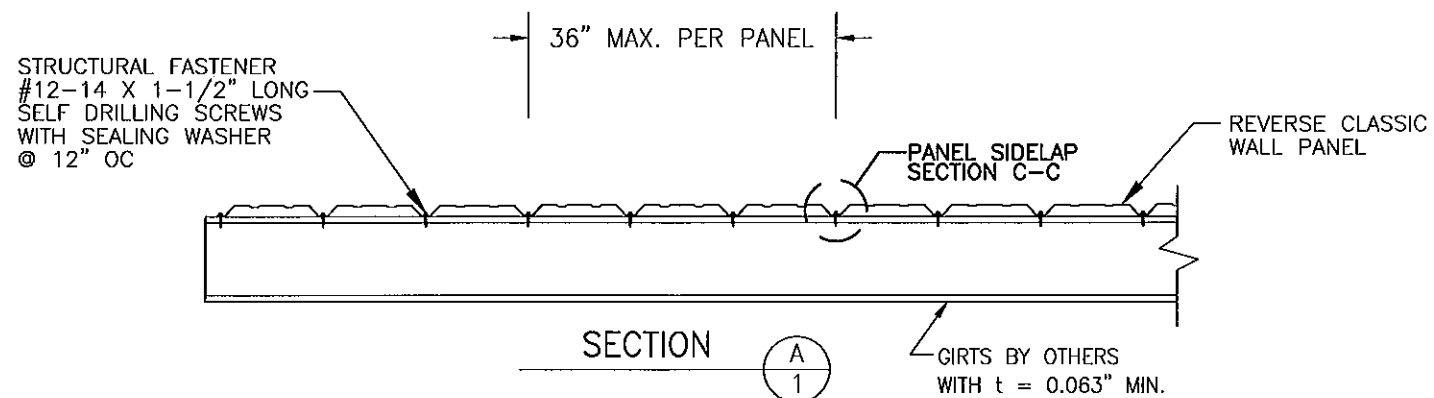
**E. MATERIAL CERTIFICATION**

1. *None*

**F. OTHERS**

1. *Florida Building Code, 2007 and 2010 editions compliance letter by ENCON Technology, Inc., dated December 01, 2011, signed and sealed by Bala Sockalingam, P.E.*

  
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Helmy A. Makar, P. E., M.S.  
PERA, Product Control Unit Supervisor  
NOA No. 11-1017.03  
Expiration Date: 06/21/2012  
Approval Date: 01/05/2012



TYPICAL EXTERIOR WALL ELEVATION

# GENERAL NOTES:

- THIS STRUCTURAL WALL PANEL SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH 2007 AND 2010 FLORIDA BUILDING CODE (FBC). FOR USE WITH 2010 FBC, THE DESIGN PRESSURES AS DETERMINED FROM SECTION 1620 AND ASCE 7-10 MUST BE MULTIPLIED BY 0.6.
- WALL PANELS ARE FABRICATED FROM A MAX. 46.5" WIDE COIL & SHALL BE 24 GA. ( $t = 0.0240"$  MIN.) ASTM 792 GR 80 STEEL WITH  $F_y = 100$  KSI (MIN) WITH A SILICONIZED POLYESTER COATING APPLIED. EFFECTIVE COVERING WIDTH OF PANEL = MAX. 36".
- THE WALL PANELS SHALL BE INSTALLED OVER WALL STRUCTURE AS SPECIFIED ON THESE DRAWINGS.
- HORIZONTAL SEAMS MAY BE PRESENT AT CENTERLINE OF SUPPORTING GIRTS PROVIDED THE SEAMS ARE FLASHED AND PROPERLY SEALED PER NUCOR SPECIFICATIONS AND EACH PANEL END IS SECURED PER THESE DRAWINGS.
- REQUIRED DESIGN WIND LOADS SHALL BE DETERMINED FOR EACH PROJECT.
- THIS WALL PANEL SYSTEM HAS BEEN TESTED AS AN IMPACT SYSTEM IN ACCORDANCE WITH PROTOCOLS TAS-201, 202 & 203.
- WALL PANEL MANUFACTURER'S PERMANENT LABEL SHALL BE PLACED AT THE END OF EACH PANEL RUN AND SHALL READ:  
NUCOR BUILDING SYSTEMS  
SWANSEA, SOUTH CAROLINA  
MIAMI-DADE COUNTY PRODUCT CONTROL  
APPROVED
- ALL SCREWS SHALL BE CORROSION RESISTANT SCREWS.
- THE SUPPORTING STRUCTURE, OVER WHICH THE PANELS ARE TO BE INSTALLED, MUST BE MINIMUM 16 GAGE (MIN. 0.063") STEEL WITH MIN.  $F_y = 50$  KSI.
- MAXIMUM POSITIVE AND NEGATIVE DESIGN LOADS FOR 24 GA. REVERSE CLASSIC IN THE WALL FIELD AND CORNER ZONES SHALL BE THE LOWEST PRESSURE CALCULATED BASED ON THE PANEL ALLOWABLES. MAXIMUM ALLOWABLE DEFLECTION LIMIT =  $L/240$ .

M (SUPPORT) (lb.ft/ft)	120
M (SPAN) (lb.ft/ft)	96
REACTION (lb/ft)	253
EI (lb.in <sup>3</sup> /ft)	955337

PRODUCT APPROVAL IS LIMITED TO THE WALL PANEL & ITS CONNECTING FASTENERS. THE STRUCTURAL ADEQUACY OF ALL OTHER STRUCTURAL ITEMS (BEAMS, COLUMNS, GIRTS, FACIA SUPPORTS, CONNECTIONS OF STRUCTURE, ETC.) SHALL BE VERIFIED BY THE STRUCTURAL PLANS EXAMINER OF THE CORRESPONDING BUILDING DEPARTMENT. THE METAL WALL PANELS SHALL NOT BE DESIGNED TO ACT AS A DIAPHRAGM.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 11-1017.03  
Expiration Date 06/21/2012  
By *[Signature]*  
Miami Dade Product Control

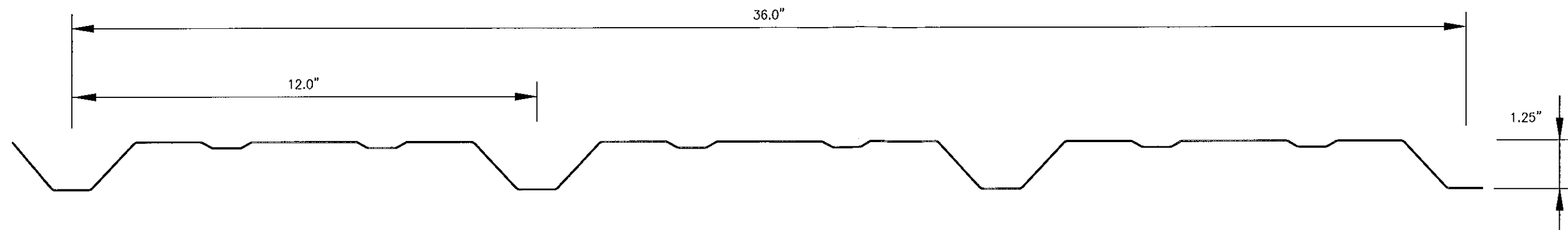
DRAWN BY: B.S.		CHECKED BY: A.B.	
PLOT:		DATE: 11/29/11	
NO.	REVISION DESCRIPTION	BY	DATE
1	REVISE SUP. THICKNESS	B.S.	5.16.07
2	ADD $F_y = 100$ KSI (MIN)	B.S.	5.16.07
3	REVISE NOTE 1 & ADD.	BS	9.30.11
4	REVISE NOTE 1	BS	11.29.11

DRAWING TITLE	REVERSE CLASSIC, 24 GAGE STRUCTURAL STEEL WALL SYSTEM
CONSULTANTS	NUCOR BUILDING SYSTEMS 200 WHETSTONE ROAD SWANSEA, SC 29160 803-568-2100
MANUFACTURER	NUCOR BUILDING SYSTEMS 200 WHETSTONE ROAD SWANSEA, SC 29160 803-568-2100
DESIGNER	BALA SOCKALINGAM, PH.D., P.E.
DATE	11-30-2011
PHONE	918-492-5992 FAX: 866-366-1543

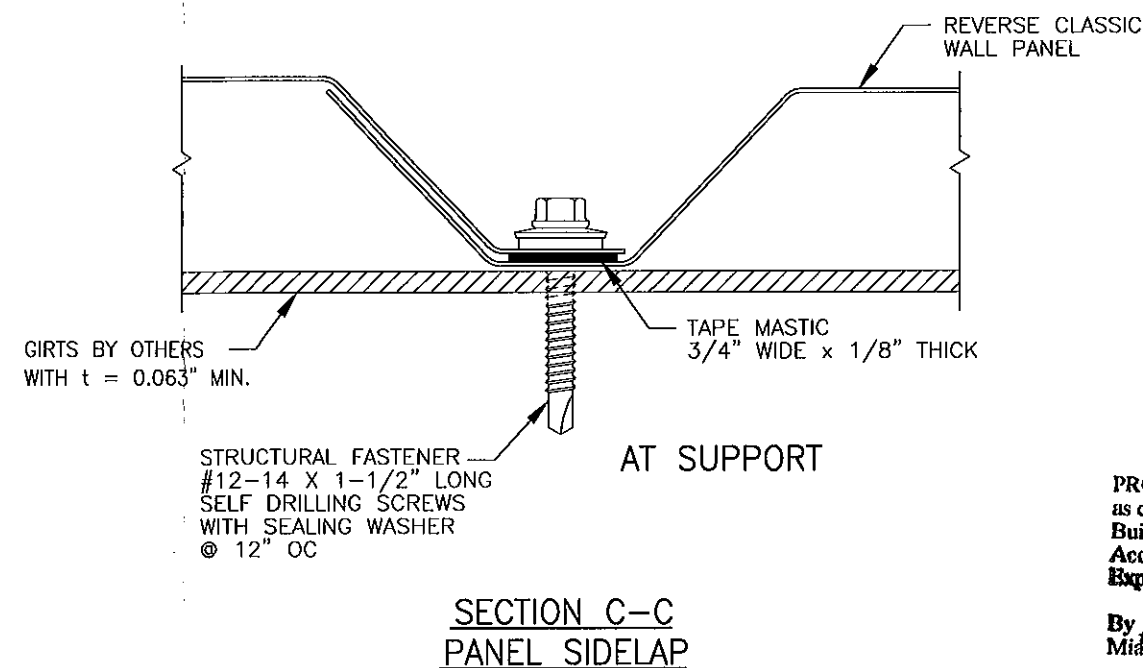
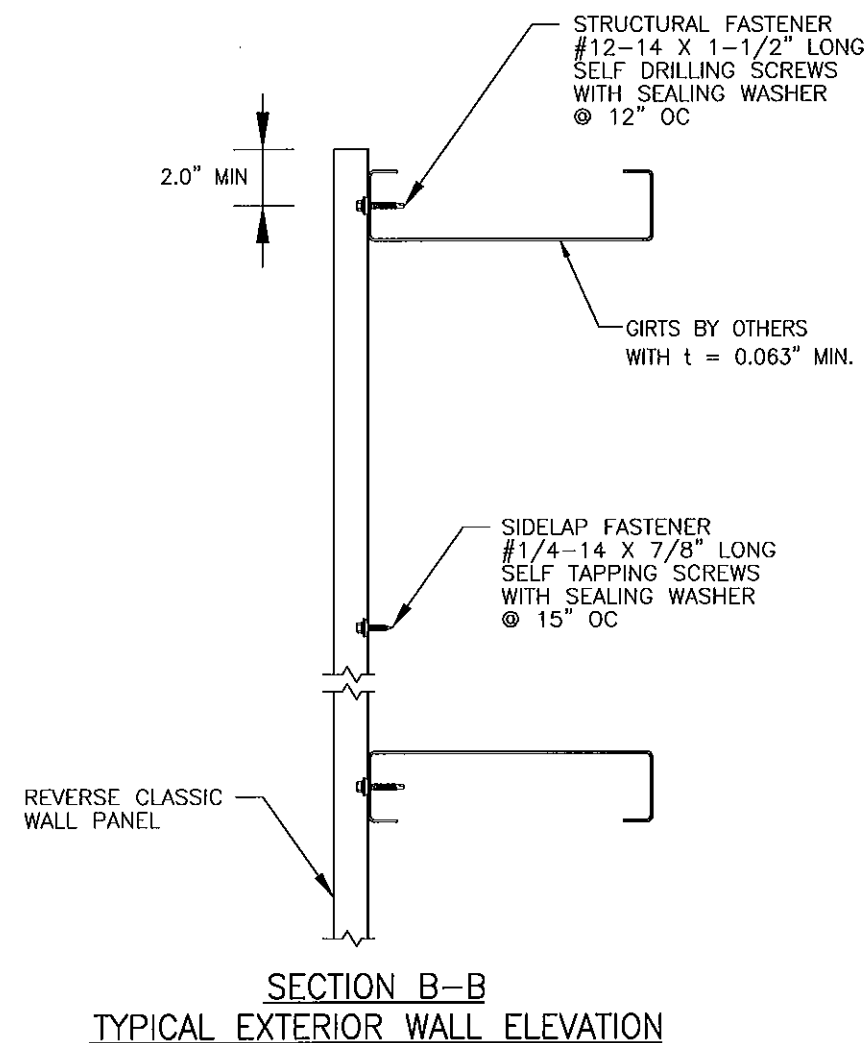
  

CERTIFICATION	11-30-2011
DRAWING NO.	1445
REV.	B
SHEET NO.	1 OF 2

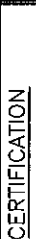


# TYPICAL PANEL PROFILE

24 GA. ALUMINUM/ZINC COATED STEEL WITH PAINTED FINISH



PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 11-1017.03  
Expiration Date 06/21/2012  
By *Healy A. Mc*  
Miami Dade Product Control

DRAWING NO. 1445		REV. B		DRAWN BY: B.S.		CHECKED BY: A.B.	
				PLOT:		DATE: 9/30/11	
DRAWING TITLE REVERSE CLASSIC, 24 GAGE STRUCTURAL STEEL WALL SYSTEM				NO.	REVISION DESCRIPTION	BY	DATE
				1	REVISE SUP. THICKNESS	B.S.	5.16.07
				2	REVISE TITLES	B.S.	5.16.07
				3	REVISE ADD.	B.S.	9.30.11
CONSULTANTS BALA SOCKALINGAM, PH.D., P.E.  1216 N LANSING AVE, SUITE C TULSA, OK 74106  PHONE: 918-492-5992 FAX: 866-366-1543				MANUFACTURER NUCOR BUILDING SYSTEMS 200 WHETSTONE ROAD SWANSEA, SC 29160 803-568-2100			
CERTIFICATION  11.30.2011 BALA SOCKALINGAM, P.E. P.E. NO. 62240							
SHEET NO. 2		OF 2					